## ABSTRACT

An apparatus and method for automatically detecting the port type of a remote device are disclosed. One embodiment of the apparatus includes a data rate detection unit to sample a data rate from an incoming data signal. A first frequency configuration unit is operatively coupled with the data rate detection unit to receive a detected data rate from the data rate detection unit. The apparatus also includes an oscillator to generate a plurality of reference clock frequencies. A frequency selector unit is coupled with the oscillator to select one of the reference clock frequencies. A phase lock unit to phase lock the incoming data signal is coupled with the first frequency configuration unit. A data rate select output is coupled with the first frequency configuration unit to operatively link the first frequency configuration unit with a second frequency configuration unit of a remote device.